

Amendments to the Specification:

The last paragraph on page 4 has been replaced with the following redlined paragraph:

Surprisingly, it has been found that special mutants of family A DNA polymerases, namely those in which the conserved C motif and especially its ~~QHV~~QVH amino acid sequence has been modified, exhibit an enhanced mismatch discrimination and can be employed in detection methods for sequence variants. The thermostable variants thereof are suitable for allele-specific PCR. In detail, the present invention relates to:

The sixth paragraph on page 14 has been replaced with the following redlined paragraph:

A "DNA polymerase according to the invention" is a family A DNA polymerase as defined above which includes the A motif with the sequence DYSQIELR in its active site and comprises particular mutations in the C motif. In particular, they also include thermostable DNA polymerases with mutations in the C motif. These mutations are conservative substitutions of the ~~QVL~~QVH amino acid residues of the C motif and/or the above defined non-conservative substitutions.